

CLAIMS

1. A method of regenerating an organ or a part thereof, comprising performing bone marrow transplantation or hematopoietic stem cell transplantation in a mammal having an impairment in the organ or the part thereof.
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2. The method according to claim 1, wherein the hematopoietic stem cell is peripheral blood hematopoietic stem cell or cord blood hematopoietic stem cell.
- 10 3. A method of treating an impairment, comprising performing bone marrow transplantation or hematopoietic stem cell transplantation in a mammal having the impairment in an organ or a part thereof and thereby regenerating the organ or the part thereof.
- 15 4. The method according to claim 3, wherein the hematopoietic stem cell is peripheral blood hematopoietic stem cell or cord blood hematopoietic stem cell.
5. A method of preparing an organ or a part thereof, comprising performing bone marrow transplantation or hematopoietic stem cell transplantation in a mammal having an impairment in the organ or the part thereof, thereby regenerating the organ or the part thereof, and recovering the resultant regenerated organ or the part thereof.
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6. The method according to claim 5, wherein the hematopoietic stem cell is peripheral blood hematopoietic stem cell or cord blood hematopoietic stem cell.
- 25 7. The method according to any one of claims 1 to 6, wherein the impairment is a functional disorder of a physical or chemical injury.
8. The method according to any one of claims 1 to 7, wherein the regenerated organ or the part thereof is derived from a donor.
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9. The method according to any one of claims 1 to 8, wherein the mammal is a new born mammal.
- 35 10. The method according to any one of claims 1 to 9, wherein the organ is at least one

selected from the group consisting of liver, heart, brain, lung, kidney, intestine, pancreas, eye, bone and tooth.

11. An organ or a part thereof which has been regenerated by performing bone marrow transplantation or hematopoietic stem cell transplantation in a mammal having an impairment in the organ or the part thereof.
12. The organ or the part thereof according to claim 11, wherein the hematopoietic stem cell is peripheral blood hematopoietic stem cell or cord blood hematopoietic stem cell.
13. The organ or the part thereof according to claim 11 or 12, wherein the impairment is a functional disorder of a physical or chemical injury.
14. The organ or the part thereof according to any one of claims 11 to 13, wherein the regenerated organ or the part thereof is derived from a donor.
15. The organ or the part thereof according to any one of claims 11 to 14, wherein the mammal is a new born mammal.
- 20 16. The organ or the part thereof according to any one of claims 11 to 15, wherein the organ is at least one selected from the group consisting of liver, heart, brain, lung, kidney, intestine, pancreas, eye, bone and tooth.